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Rock Island District

Corps of Engineers Update

Presented by
COL Duane Gapinski, P.E.
Commander
Rock Island District
U.S. Army Corps of Engineers

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Mission

At the Rock Island District We Pledge To:

- ***Provide Our Services to the Nation in Times of Emergencies;***
- ***Plan, Design & Construct Water Resource & Infrastructure Projects;***
- ***Manage & Conserve Natural Resources Consistent With Ecosystem Management Principles, While Providing Quality Outdoor Recreation Experiences;***
- ***Operate & Maintain Lands & Facilities Under Our Jurisdiction;***
- ***Implement Regulatory Authorities That Protect Our Nation's Resources***

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Upper Mississippi—Illinois Waterway System Navigation Study

- **Feasibility Study Started in 1993**
- **Original Study Focused on Reducing Congestion on the System**
- **Study Restructured in 2001**
- **Collaboration**

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Corps' Planning Process

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Navigation Efficiency Alternatives

- **Alternative 1: No Action**
- **Alternative 2: Congestion Fees Implemented Through a Lockage Fee**
- **Alternative 3:**
  - **Excess Lockage Time Fees**
  - **Tradable Permits**
  - **Other Scheduling**
- **Alternative 4:**
  - **Moorings @ 12, 14, 18, 20, 22, 24, & LGR**
  - **Switchboats @ 20-25**

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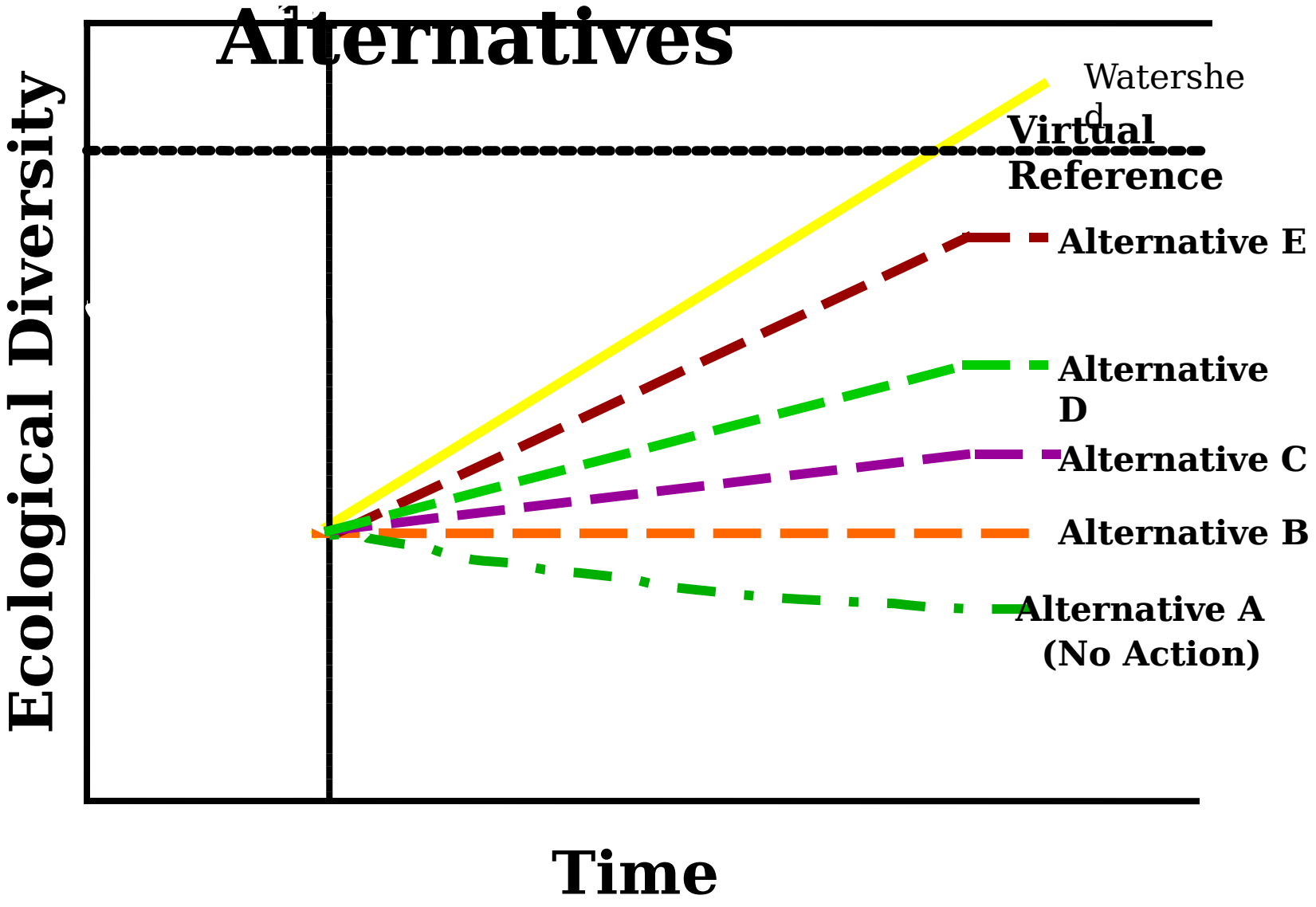
Navigation Efficiency Alternatives *(Continued)*

- **Alternative 5**
  - **Moorings @ 12, 14, 18, 24, & LGR**
  - **Switchboats @ 14-18, PEO, &LGR**
  - **Lock Extensions @ 20-25**
- **Alternative 6**
  - **Moorings at L&D 12, 14, 18, & 24**
  - **Switchboats @ 11-13**
  - **Lock Extensions @ 14-18**
  - **New 1200’ Locks @ 20-25, PEO, & LGR**

Ecosystem Restoration Alternatives



** *Not to Scale – Illustrative*

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Ecosystem Restoration Alternatives

- **Alternative A: No Action**
- **Alternative B: Maintain & Protect Existing Diversity**
- **Alternative C:**
  - **Maintain & Protect Existing Diversity**
  - **Restore Areas Impacted by the 9’ Channel Project**

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Ecosystem Restoration Alternatives *(Continued)*

- **Alternative D:**
  - **Maintain & Protect Existing Diversity**
  - **Restore Areas Impacted by the 9’ Channel Project**
  - **Fish Passages at 13 Dams**
  - **Floodplain Restoration Measures**
- **Alternative E:**
  - **Maintain & Protect Existing Diversity**
  - **Restore Areas Impacted by the 9’ Channel Project**
  - **Fish Passage and Water Level Mngt. at 33 Dams**

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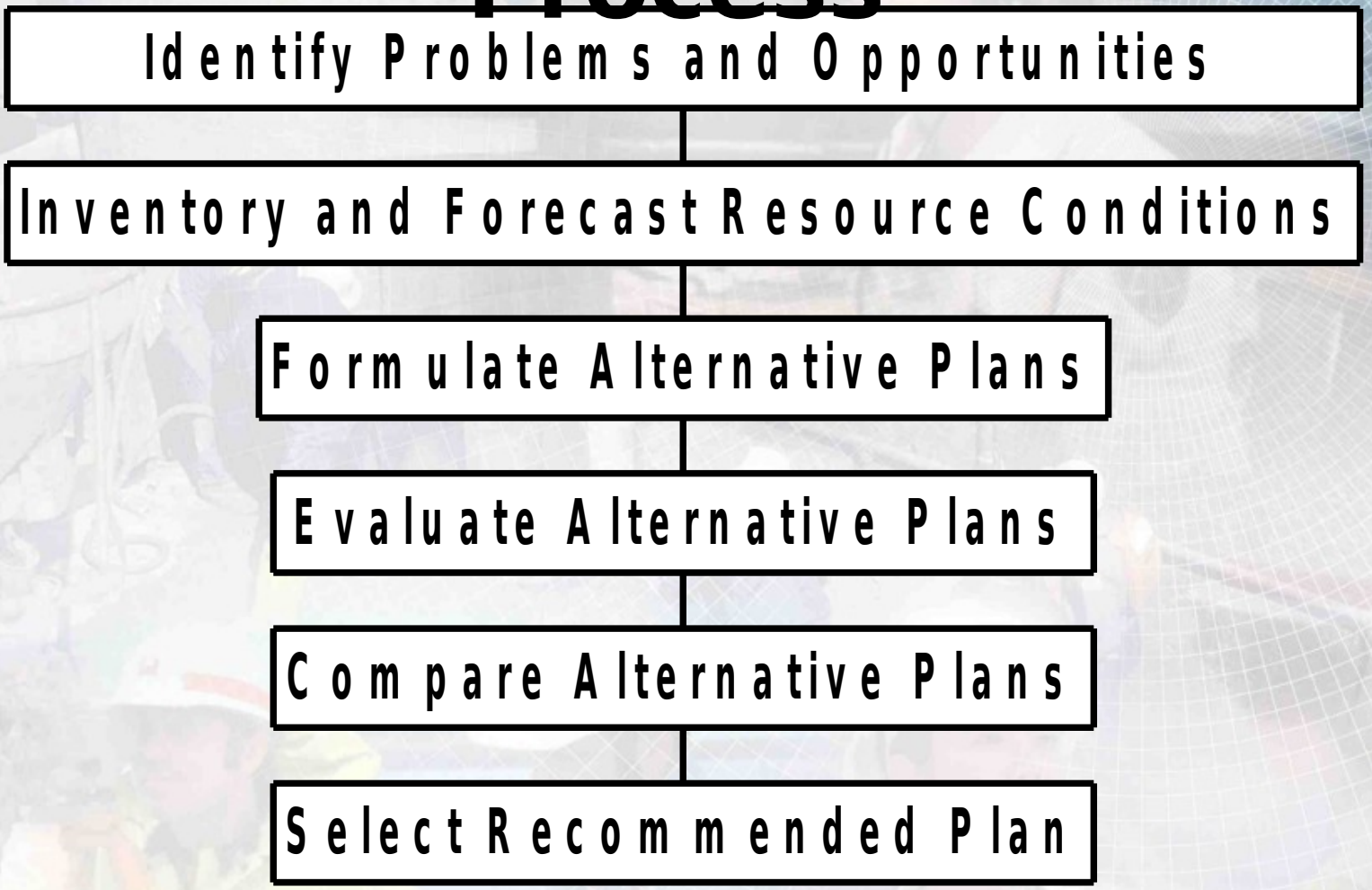
Corps' Planning Process



The Next Step → **Documentation and Review - Feasibility Report (ITR, AFB, Stakeholders, Public, NRC, HQ…**

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Feasibility Study Schedule

- **Alternative Formulation Briefing** **Feb 04**
  - **Tentative Recommended Plan Identified**
- **Draft Feasibility Report** **Apr 04**
- **Stakeholder & Public Review** **May-Jul 04**
- **Public Meetings** **Jun 04**
- **Final Feasibility Report w/EIS** **Sep 04**
- **NRC Review Final Feasibility Report** **Oct-Nov 04**
- **Chief's Report** **Nov 04**

Navigation Study Website:
http://www2.mvr.usace.army.mil/umr-iwwsns/

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Flow Frequency Study

- **Goal: Update the Flood Profiles for 1,900+ Miles of the Upper Mississippi, Missouri & Illinois Rivers**
- **Purpose:**
  - **Provide Information Fundamental to Planning & Implementing Flood Damage Reduction & Environmental Restoration Measures**
  - **Support All Aspects of Floodplain Management**
  - **Help Floodplain Communities, Farmers &**

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Flow Frequency Study (Continued)

Old vs. New 100-Year (1% Chance) Flood Profiles for the Fort Madison Area:

Location	River Mile	OLD* 1979 Study 100-year 1% NGVD 1929	NEW 2003 Study 100-year 1% NGVD 1929	Difference** (in feet)
Keithsburg, IL	**428**	544.7	**544.6**	**-0.1**
Burlington, IA	**403.1**	533.7	**534.2**	**0.5**
Dam 19 T/W (near Keokuk, IA) *Keokuk, Iowa USGS Gage*	**364.2**	500.8 *351,000 cfs*	**501** *366,000 cfs*	**0.2**
Quincy, IL	**327**	486.1	**486.8**	**0.7**
Hannibal, MO *Hannibal, Missouri Corps of Engrs Gage*	**309**	475.3 *374,000 cfs*	**477.1** *440,000 cfs*	**1.8**

Flow-Frequency Study Website:
http://www.mvr.usace.army.mil/pdw/pdf/FlowFrequency/fl

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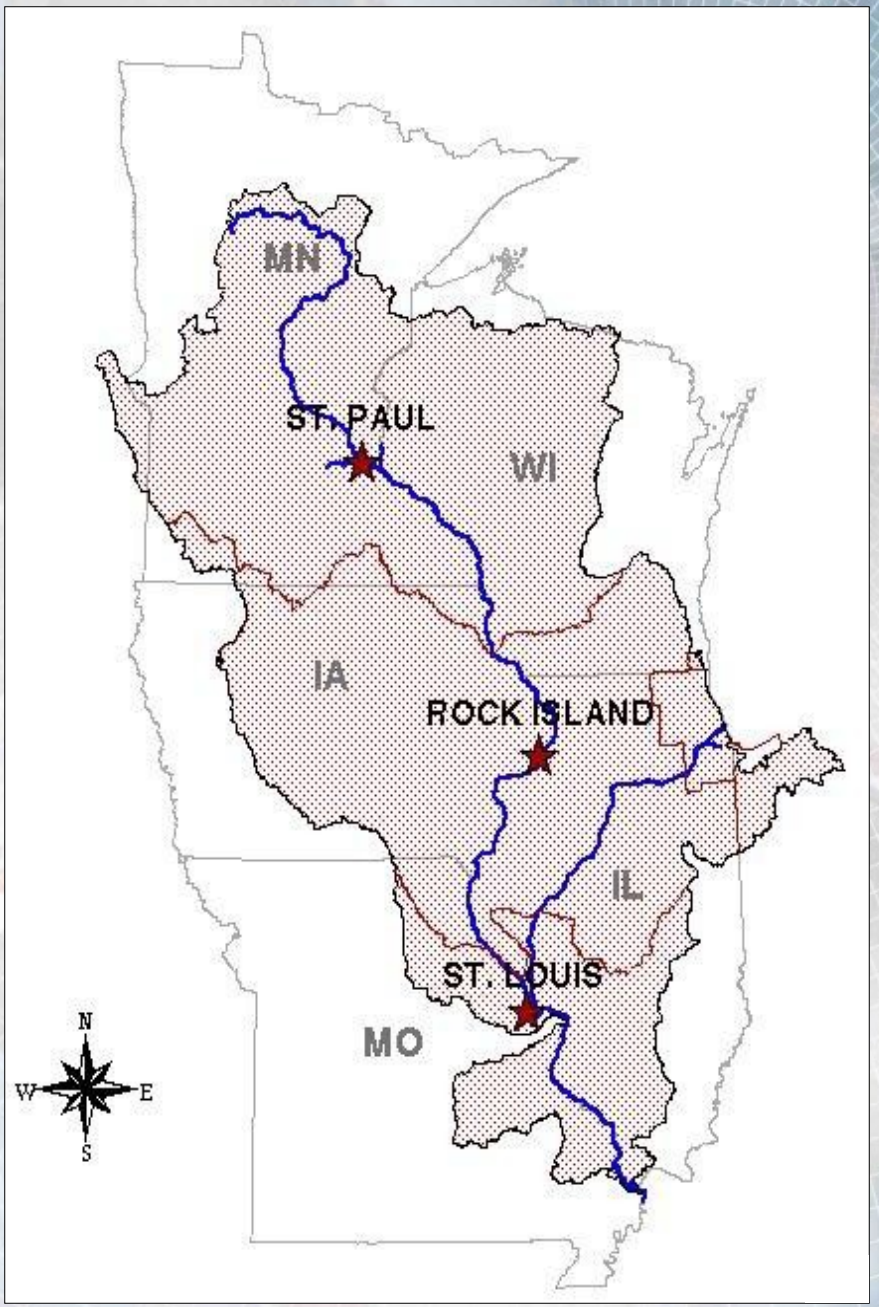
Comprehensive Plan



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Emergency Operations

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